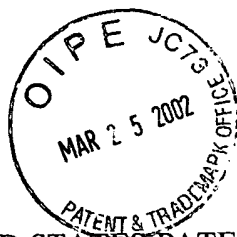


PST-100US



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sau Lan Tang Staats : Art Unit: Unknown  
Serial No.: 10/061,001 : Examiner: Unknown  
Filed: January 30, 2002 :  
For: MICROFLUIDIC DEVICES :

RECEIVED  
MAR 29 2002  
TC 1700

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

PST-100US



This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

RATNER & PRESTIA

A handwritten signature in cursive script, appearing to read "Costas S. Krikelis".

Costas S. Krikelis

Pamela D. Politis

Attorney and Agent for Applicant

Enclosures:

PTO Form 1449

Copy of (37) References

Dated: March 21, 2002

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The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as priority mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on: March 21, 2002

A handwritten signature in cursive script, appearing to read "Ruth Curran".

Ruth Curran

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE  <b>Information Disclosure          Statement by Applicant</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.  PST-100US	SERIAL NO  10/061,001	
	APPLICANT  Sau Lan Tang Staats		
	FILING DATE  January 30, 2002	GROUP  Unknown	

## U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	4,908,112	03/1990	Pace	204	299 R	
	5,126,022	06/1992	Soane et al.	204	180.1	
	5,141,548	08/1992	Chervet	65	108	
	5,413,513	05/1995	Horne et al.	445	24	
	5,571,410	11/1996	Swedberg et al.	210	198.2	
	5,635,358	06/1997	Wilding et al.	435	7.2	
	5,726,026	03/1998	Wilding et al.	435	7.21	
	5,757,482	05/1998	Fuchs et al.	356	246	
	5,842,787	12/1998	Kopf-Sill et al.	366	340	
	5,858,188	01/1999	Soane et al.	204	454	
	5,885,470	03/1999	Parce et al.	216	33	
	5,957,579	09/1999	Kopf-Sill et al.	366	340	
	6,001,231	12/1999	Kopf-Sill	204	454	
	6,042,709	03/2000	Parce et al.	204	453	
	6,068,752	05/2000	Dubrow et al.	204	604	
	6,074,725	06/2000	Kennedy	428	188	
	6,123,798	09/2000	Gandhi et al.	156	292	
	6,132,579	10/2000	Edwards et al.	204	451	
	6,176,962 B1	01/2001	Soane et al.	156	292	
	6,210,986 B1	04/2001	Arnold et al.	438	42	

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES   NO

## OTHER DOCUMENTS


(Including Author, Title, Date, Pertinent Pages, Etc.)

1)	"Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates," by Randy M. McCormick et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 14; July 15, 1997; pps. 2626-2630
2)	"Overview of Microelectromechanical Systems and Design Processes," by William C. Tang; <i>ACM, Inc.</i> ; 1997; pps. 670-673
3)	"Integrated Chemical Analysis on Plastic Microfluidic Devices," by Travis D. Boone et al.; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps. 87-92

## U.S. PATENT DOCUMENTS

Examiner	Date Considered
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE  <b>Information Disclosure          Statement by Applicant</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.  PST-100US	SERIAL NO  10/061,001	
	APPLICANT Sau Lan Tang Staats		
	FILING DATE January 30, 2002	GROUP Unknown	

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Trans- lation YES / NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

4)	"Rapid Tooling Using SU-8 for Injection Molding Microfluidic Components," by Thayne L. Edwards et al. <i>Microfluidic Devices and Systems III</i> , Proceedings of SPIE Vol. 4177; 2000, pps. 82-89
5)	"Biochips: Miniaturization and Integration for Microanalysis," by Andrew Broderick; <i>Emerging Technologies</i> ; 1999; pps. 1-12
6)	"Development of Methods for On-Line Chemical Detection with Liquid-Phase Microchemical Reactors Using Conventional and Unconventional Techniques," by Rebecca J. Jackman, et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 155-158
7)	"Polymer Micro-Structures: Prototyping, Low-Cost Mass Fabrication and Analytical Applications," by J. S. Rossier et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 159-162
8)	"Microfabrication Technology for Chemical and Biochemical Microprocessors," by Eric T. Lagally et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 217-220
9)	"Capillary Electrophoresis with Direct and Contactless Conductivity Detection on a Polymer Microchip," by G. Weber, et al.; <i>Micro Total Analysis Systems 2000</i> ; pps. 383-386
10)	"Miniaturized Capillary Electrophoresis System with Integrated Conductivity Detector," by Richard Schasfoort et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 391-394
11)	"Microfabricated CE Chips with Optical Slit for UV Absorption Detection," by T. Nishimoto et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 395-398
12)	"High-Throughput SNP Scoring in a Disposable Microfabricated CD Device," by Ann Eckersten et al.; <i>Micro Total Analysis Systems 2000</i> ; pps 521-523
13)	"Diamond Microchip Capillary Chromatography of Proteins," by H. Björkman et al.; <i>Micro Total Analysis 2000</i> ; pps 187-190
14)	"Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," by Zhonghul H. Fan and D. Jed Harrison; <i>Analytical Chemistry</i> , Vol. 66, No. 1; January 1, 1994; pps 177-184

## U.S. PATENT DOCUMENTS

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Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

## FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES   NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

15)	"High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips," by Adam T. Woolley et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 11; June 1, 1997; pps 2181-2186
16)	"Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips," by Carlo S. Effenhauser et al.; <i>Analytical Chemistry</i> , Vol. 69, No. 1; September 1, 1997; pps 3451-3457
17)	"High-Speed Microchip Electrophoresis: Exploring the Limits," by Stephen C. Jacobson et al; <i>Solid-State Sensor and Actuator Workshop</i> ; June 8-11, 1998; pps 93-96

Examiner	Date Considered
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